

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **8SNLED-LD5-120SL-RW-UNV-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33525)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-120SL-RW-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

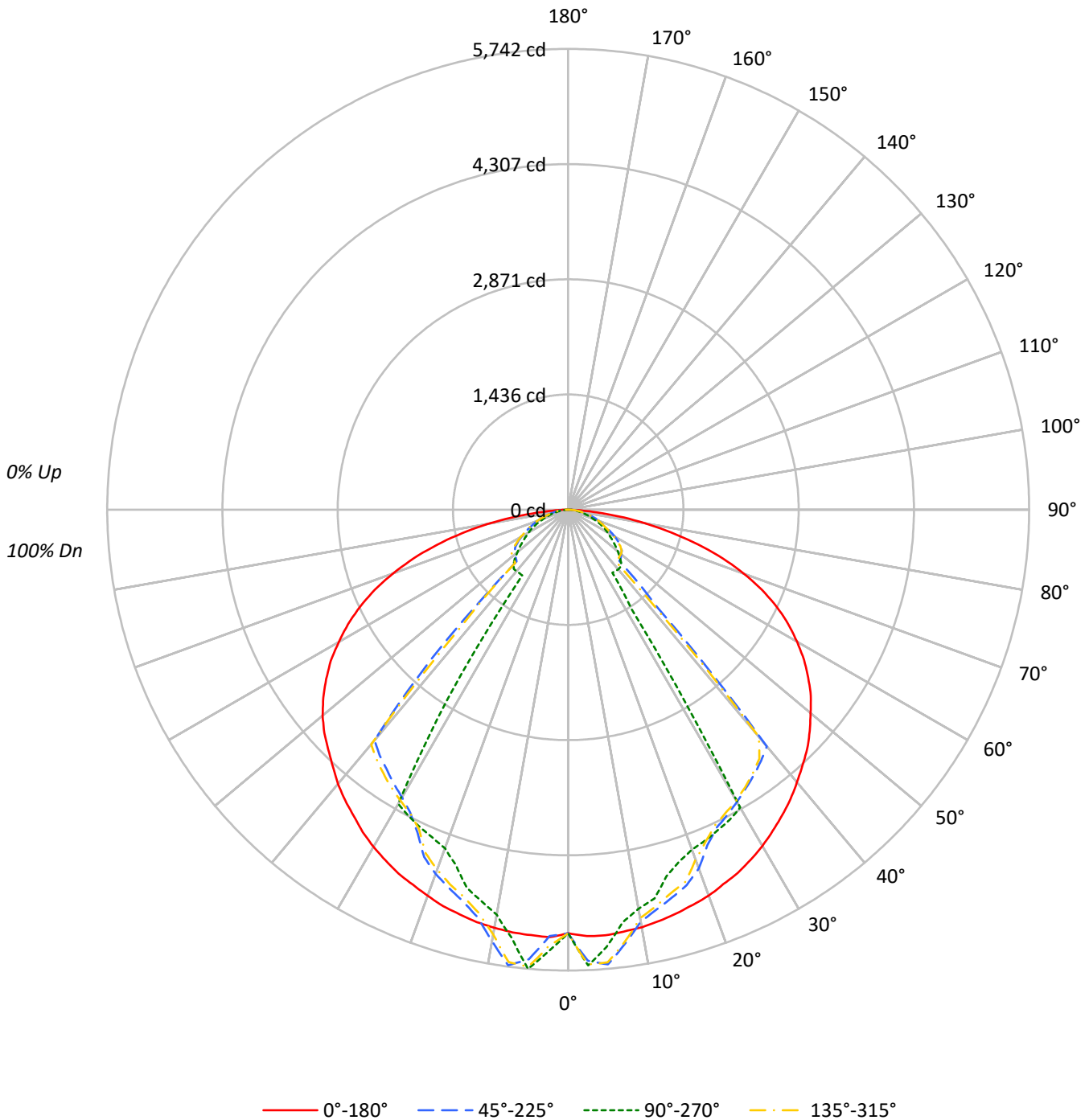
Lumens per Lamp: N/A
Luminaire Lumens: 10569.0 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 92
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#
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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	110	106	102	99	108	104	101	98	100	97	94	96	94	92	92	91	89				87	
2	102	94	88	83	99	93	87	82	89	85	81	86	82	79	83	80	77				75	
3	94	84	77	72	91	83	76	71	80	74	70	77	73	69	75	71	67				65	
4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59				57	
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53				51	
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47				46	
7	70	58	50	44	68	57	49	44	55	48	43	54	48	43	53	47	43				41	
8	66	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39				37	
9	62	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	36				34	
10	58	46	38	33	57	45	38	33	44	38	33	43	37	33	42	37	33				31	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	21325	21325	21325	21325
5°	21564	21486	21554	22550
10°	21615	19426	21644	19724
15°	21693	17973	21744	18543
20°	21883	17047	21883	16983
25°	22107	16721	22139	16565
30°	22369	16426	22425	16232
35°	22672	3741	22718	3902
40°	23083	3891	23221	4017
45°	23693	3869	23775	4010
50°	24316	3498	24644	3593
55°	25151	3106	25351	3150
60°	25902	2760	25959	2795
65°	26515	2408	26449	2370
70°	26358	1941	26276	1871
75°	24798	1494	24977	1431
80°	20628	1061	21456	971
85°	11895	636	12560	487



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	519.3	4.9
10°-20°	1427.8	13.5
20°-30°	2114.8	20.0
30°-40°	2130.8	20.2
40°-50°	1664.5	15.7
50°-60°	1285.7	12.2
60°-70°	863.2	8.2
70°-80°	440.3	4.2
80°-90°	122.5	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4061.9	38.4
0°-40°	6192.7	58.6
0°-60°	9142.9	86.5
0°-90°	10569.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10569.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5278	5278	5278	5278	5278	
5°	5324	5471	5321	5742	5324	506
15°	5208	4729	5220	4879	5208	1473
25°	4995	4407	5002	4366	4995	2304
35°	4647	958	4656	999	4647	2912
45°	4211	931	4226	965	4211	3247
55°	3650	677	3679	687	3650	3260
65°	2866	455	2859	448	2866	2819
75°	1681	230	1693	220	1681	1758
85°	302	73	319	56	302	416
90°	0	0	0	0	0	



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9
2.5°	5319.0	5338.4	5352.9	5362.5	5367.4	5367.4	5369.8	5372.2	5403.7	5418.2	5427.9
5°	5323.8	5343.2	5372.2	5410.9	5444.8	5473.8	5498.0	5531.9	5565.7	5602.0	5614.1
7.5°	5302.1	5326.3	5384.3	5454.5	5519.8	5565.7	5597.2	5618.9	5635.9	5638.3	5650.4
10°	5282.7	5326.3	5406.1	5498.0	5580.2	5635.9	5635.9	5623.8	5640.7	5575.4	5510.1
12.5°	5248.9	5297.2	5406.1	5527.0	5604.4	5626.2	5616.5	5568.1	5469.0	5389.2	5352.9
15°	5207.7	5273.0	5408.5	5544.0	5609.3	5616.5	5524.6	5401.2	5326.3	5277.9	5217.4
17.5°	5161.8	5248.9	5410.9	5546.4	5570.6	5536.7	5362.5	5285.1	5207.7	5094.1	5011.8
20°	5118.2	5202.9	5391.6	5512.5	5527.0	5374.6	5239.2	5156.9	5026.3	4927.2	4890.9
22.5°	5050.5	5149.7	5374.6	5466.6	5410.9	5234.3	5103.7	4973.1	4854.6	4825.6	4782.0
25°	4994.9	5098.9	5335.9	5410.9	5263.4	5106.1	4953.8	4801.4	4745.7	4704.6	4665.9
27.5°	4919.9	5048.1	5285.1	5309.3	5106.1	4968.3	4745.7	4678.0	4627.2	4581.3	4564.3
30°	4837.7	4994.9	5215.0	5169.0	4975.5	4772.4	4607.9	4545.0	4508.7	4460.3	4441.0
32.5°	4743.3	4915.1	5137.6	5007.0	4835.2	4581.3	4474.8	4426.5	4378.1	4341.8	4220.9
35°	4646.6	4844.9	5045.7	4852.2	4665.9	4436.1	4341.8	4298.3	4252.3	4119.3	3993.5
37.5°	4547.4	4767.5	4934.4	4685.3	4441.0	4286.2	4206.3	4158.0	4054.0	3884.6	3821.8
40°	4433.7	4673.2	4791.7	4513.5	4245.0	4133.8	4058.8	4010.4	3775.8	3700.8	3681.5
42.5°	4320.0	4581.3	4617.5	4346.6	4083.0	3971.7	3908.8	3749.2	3589.5	3550.8	3558.1
45°	4211.2	4482.1	4426.5	4109.6	3913.7	3821.8	3715.3	3495.2	3410.6	3429.9	3434.7
47.5°	4080.6	4363.6	4225.7	3872.5	3739.5	3647.6	3410.6	3277.5	3265.4	3292.0	3306.5
50°	3940.3	4230.5	4012.8	3657.3	3550.8	3442.0	3173.5	3105.8	3120.3	3146.9	3163.8
52.5°	3809.7	4080.6	3792.7	3456.5	3364.6	3115.5	2934.0	2946.1	2970.3	3001.8	3011.4
55°	3650.0	3899.2	3558.1	3253.3	3166.2	2839.7	2757.5	2786.5	2810.7	2837.3	2856.6
57.5°	3483.1	3691.1	3279.9	3026.0	2885.7	2595.4	2602.7	2622.0	2638.9	2670.4	1103.0
60°	3292.0	3454.1	2975.2	2815.5	2537.4	2401.9	2409.2	2443.0	2459.9	1373.9	759.5
62.5°	3093.7	3178.3	2699.4	2576.1	2218.1	2208.4	2242.3	2256.8	1536.0	725.6	711.1
65°	2866.3	2849.4	2428.5	2232.6	2000.4	2010.0	2046.3	1973.8	679.7	679.7	674.9
67.5°	2614.8	2513.2	2164.9	1848.0	1789.9	1811.7	1850.4	645.8	628.9	633.7	616.8
70°	2326.9	2184.2	1891.5	1565.0	1584.3	1606.1	624.1	585.4	578.1	566.0	532.1
72.5°	2022.1	1826.2	1548.1	1359.4	1371.5	861.1	546.7	527.3	503.1	478.9	442.6
75°	1681.1	1427.1	1136.9	1136.9	1153.8	491.0	476.5	445.1	418.5	387.0	365.2
77.5°	1318.3	1098.1	882.9	916.7	447.5	411.2	384.6	350.7	329.0	309.6	297.5
80°	965.1	766.8	665.2	595.0	348.3	312.0	285.4	266.1	256.4	244.3	229.8
82.5°	633.7	462.0	462.0	280.6	244.3	215.3	208.0	193.5	183.8	176.6	169.3
85°	302.4	268.5	203.2	171.7	152.4	137.9	133.0	125.8	125.8	123.4	120.9
87.5°	111.3	120.9	89.5	87.1	82.2	79.8	82.2	82.2	84.7	82.2	79.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9
2.5°	5452.0	5471.4	5485.9	5510.1	5541.5	5568.1	5592.3	5626.2	5679.4	5693.9	5706.0
5°	5614.1	5621.4	5638.3	5657.6	5662.5	5674.6	5672.2	5686.7	5693.9	5710.9	5674.6
7.5°	5623.8	5585.1	5539.1	5498.0	5469.0	5442.4	5425.4	5452.0	5466.6	5478.6	5442.4
10°	5420.6	5374.6	5348.0	5323.8	5294.8	5253.7	5198.1	5210.2	5205.3	5205.3	5193.2
12.5°	5292.4	5227.1	5159.4	5098.9	5072.3	5069.9	5072.3	5098.9	5098.9	5096.5	5082.0
15°	5091.6	5028.7	4994.9	4980.4	4980.4	4973.1	4973.1	5002.1	4994.9	4994.9	4987.6
17.5°	4958.6	4915.1	4890.9	4873.9	4866.7	4878.8	4893.3	4905.4	4907.8	4898.1	4859.4
20°	4849.8	4808.6	4779.6	4784.4	4782.0	4789.3	4796.5	4755.4	4704.6	4636.9	4605.5
22.5°	4736.1	4704.6	4682.9	4682.9	4653.8	4607.9	4540.1	4525.6	4518.4	4486.9	4460.3
25°	4627.2	4590.9	4559.5	4462.7	4402.3	4409.5	4397.4	4373.2	4370.8	4368.4	4378.1
27.5°	4518.4	4424.0	4303.1	4288.6	4264.4	4262.0	4276.5	4288.6	4288.6	4298.3	4310.4
30°	4293.4	4184.6	4162.8	4136.2	4145.9	4179.7	4187.0	4203.9	4208.8	4225.7	4235.4
32.5°	4087.8	4039.4	4020.1	4032.2	4063.6	4092.7	4109.6	4116.8	4128.9	4143.5	4155.5
35°	3920.9	3906.4	3923.3	3949.9	3981.4	4005.6	4020.1	4034.6	4046.7	4058.8	4068.5
37.5°	3797.6	3807.2	3831.4	3865.3	3896.7	3916.1	3928.2	3945.1	3962.0	3976.6	3918.5
40°	3681.5	3705.6	3732.3	3768.5	3795.1	3814.5	3826.6	3848.4	3703.2	1676.2	919.2
42.5°	3579.9	3606.5	3625.8	3654.9	3683.9	3698.4	3592.0	1603.7	907.1	902.2	914.3
45°	3456.5	3478.3	3509.7	3531.5	3558.1	2336.6	892.5	902.2	887.7	897.4	902.2
47.5°	3330.7	3364.6	3381.5	3226.7	960.3	887.7	878.0	887.7	878.0	890.1	882.9
50°	3188.0	3229.1	2297.9	868.4	861.1	856.3	865.9	861.1	868.4	878.0	858.7
52.5°	3042.9	1884.3	841.8	836.9	841.8	836.9	853.8	841.8	844.2	834.5	810.3
55°	1030.4	815.1	807.9	805.5	820.0	820.0	820.0	800.6	788.5	764.4	747.4
57.5°	788.5	788.5	786.1	788.5	783.7	778.9	757.1	740.2	723.2	689.4	679.7
60°	747.4	747.4	747.4	747.4	725.6	716.0	682.1	667.6	638.6	621.6	612.0
62.5°	713.6	708.7	686.9	679.7	655.5	628.9	609.5	595.0	566.0	556.3	549.1
65°	665.2	648.2	621.6	592.6	580.5	551.5	541.8	520.0	505.5	498.3	493.4
67.5°	585.4	561.2	539.4	520.0	498.3	488.6	476.5	459.6	449.9	445.1	440.2
70°	500.7	483.8	462.0	449.9	435.4	428.1	411.2	406.4	399.1	391.9	384.6
72.5°	418.5	408.8	399.1	382.2	377.3	372.5	355.6	345.9	336.2	326.5	321.7
75°	350.7	343.5	338.6	324.1	316.9	302.4	290.3	283.0	275.7	268.5	263.7
77.5°	287.8	283.0	268.5	258.8	254.0	241.9	237.0	239.5	234.6	225.0	220.1
80°	225.0	220.1	208.0	208.0	203.2	198.3	193.5	188.7	183.8	176.6	171.7
82.5°	171.7	166.9	162.1	157.2	152.4	150.0	147.5	142.7	137.9	133.0	130.6
85°	120.9	118.5	116.1	113.7	111.3	108.8	106.4	101.6	96.8	94.3	91.9
87.5°	82.2	79.8	77.4	75.0	72.6	70.1	67.7	65.3	60.5	58.1	55.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9
2.5°	5706.0	5718.1	5706.0	5679.4	5662.5	5655.2	5669.7	5669.7	5679.4	5691.5	5693.9
5°	5616.5	5587.5	5553.6	5519.8	5502.8	5493.2	5466.6	5471.4	5478.6	5483.5	5488.3
7.5°	5394.0	5355.3	5309.3	5265.8	5248.9	5234.3	5202.9	5202.9	5202.9	5205.3	5219.8
10°	5166.6	5149.7	5130.3	5101.3	5079.5	5072.3	5045.7	5052.9	5048.1	5055.4	5072.3
12.5°	5060.2	5040.8	5023.9	4994.9	4970.7	4961.0	4948.9	4956.2	4953.8	4965.9	4980.4
15°	4963.4	4953.8	4934.4	4912.6	4890.9	4871.5	4828.0	4813.5	4803.8	4791.7	4808.6
17.5°	4803.8	4736.1	4690.1	4656.2	4632.1	4615.1	4603.0	4603.0	4610.3	4617.5	4632.1
20°	4586.1	4566.8	4545.0	4508.7	4484.5	4474.8	4467.6	4467.6	4479.7	4489.3	4516.0
22.5°	4436.1	4433.7	4426.5	4409.5	4397.4	4397.4	4399.9	4404.7	4421.6	4436.1	4462.7
25°	4366.0	4375.7	4370.8	4361.2	4353.9	4356.3	4351.5	4356.3	4373.2	4387.8	4409.5
27.5°	4310.4	4324.9	4320.0	4305.5	4293.4	4298.3	4305.5	4300.7	4315.2	4332.1	4349.1
30°	4235.4	4237.8	4247.5	4230.5	4225.7	4233.0	4235.4	4240.2	4254.7	4266.8	4281.3
32.5°	4150.7	4170.1	4167.6	4150.7	4150.7	4158.0	4160.4	3998.3	3696.0	3183.2	3042.9
35°	4068.5	4090.2	4054.0	3417.8	2365.6	1262.6	974.8	940.9	948.2	953.0	957.9
37.5°	3009.0	1427.1	909.5	916.7	924.0	931.2	938.5	945.8	953.0	960.3	962.7
40°	904.6	902.2	909.5	919.2	926.4	931.2	940.9	948.2	955.4	962.7	965.1
42.5°	895.0	899.8	907.1	916.7	926.4	936.1	943.3	953.0	957.9	962.7	965.1
45°	890.1	899.8	909.5	916.7	924.0	928.8	933.7	936.1	933.7	933.7	938.5
47.5°	882.9	892.5	895.0	892.5	895.0	892.5	892.5	892.5	885.3	882.9	882.9
50°	856.3	856.3	851.4	841.8	839.3	836.9	832.1	829.7	820.0	817.6	817.6
52.5°	800.6	798.2	791.0	778.9	774.0	769.2	766.8	764.4	754.7	749.8	752.3
55°	735.3	730.5	723.2	708.7	706.3	701.5	699.0	696.6	686.9	691.8	684.5
57.5°	674.9	665.2	655.5	653.1	643.4	641.0	638.6	636.2	628.9	631.3	626.5
60°	602.3	599.9	595.0	585.4	585.4	582.9	582.9	578.1	573.3	570.8	570.8
62.5°	549.1	541.8	537.0	537.0	529.7	529.7	529.7	524.9	520.0	522.5	520.0
65°	491.0	488.6	486.2	481.3	481.3	478.9	478.9	474.1	466.8	469.3	464.4
67.5°	442.6	437.8	433.0	430.6	420.9	416.0	413.6	411.2	401.5	403.9	399.1
70°	382.2	374.9	370.1	365.2	358.0	353.1	353.1	348.3	341.1	343.5	338.6
72.5°	319.3	314.4	309.6	307.2	299.9	297.5	295.1	292.7	285.4	287.8	285.4
75°	266.1	266.1	263.7	261.2	254.0	246.7	241.9	239.5	234.6	237.0	232.2
77.5°	220.1	215.3	210.4	210.4	203.2	198.3	193.5	193.5	193.5	191.1	188.7
80°	171.7	166.9	166.9	164.5	159.6	154.8	152.4	152.4	150.0	150.0	147.5
82.5°	130.6	125.8	123.4	123.4	118.5	116.1	113.7	111.3	111.3	111.3	108.8
85°	91.9	87.1	84.7	84.7	79.8	77.4	77.4	75.0	75.0	72.6	72.6
87.5°	55.6	53.2	50.8	50.8	46.0	43.5	43.5	43.5	41.1	41.1	38.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9
2.5°	5693.9	5693.9	5677.0	5681.8	5674.6	5684.3	5672.2	5672.2	5686.7	5686.7	5696.3
5°	5490.7	5478.6	5476.2	5471.4	5447.2	5456.9	5444.8	5432.7	5449.6	5449.6	5471.4
7.5°	5212.6	5190.8	5200.5	5186.0	5171.5	5149.7	5156.9	5147.3	5159.4	5176.3	5198.1
10°	5069.9	5050.5	5062.6	5048.1	5055.4	5023.9	5026.3	5028.7	5040.8	5045.7	5065.0
12.5°	4978.0	4973.1	4968.3	4963.4	4968.3	4951.3	4941.7	4944.1	4948.9	4951.3	4965.9
15°	4784.4	4753.0	4762.7	4728.8	4731.2	4733.6	4714.3	4733.6	4731.2	4762.7	4791.7
17.5°	4627.2	4627.2	4610.3	4595.8	4586.1	4583.7	4569.2	4578.8	4569.2	4588.5	4595.8
20°	4518.4	4516.0	4513.5	4506.3	4482.1	4484.5	4491.8	4470.0	4467.6	4465.2	4479.7
22.5°	4467.6	4470.0	4460.3	4460.3	4438.6	4443.4	4445.8	4421.6	4424.0	4416.8	4424.0
25°	4414.4	4419.2	4407.1	4407.1	4402.3	4399.9	4387.8	4392.6	4378.1	4366.0	4378.1
27.5°	4351.5	4361.2	4351.5	4356.3	4346.6	4341.8	4334.5	4329.7	4315.2	4312.8	4320.0
30°	4293.4	4298.3	4295.8	4283.7	4281.3	4266.8	4274.1	4259.6	4245.0	4247.5	4252.3
32.5°	2201.1	2102.0	1620.6	1463.4	1448.9	1502.1	1780.3	2167.3	2808.3	3429.9	3877.4
35°	960.3	960.3	960.3	957.9	957.9	955.4	953.0	950.6	948.2	945.8	943.3
37.5°	965.1	965.1	965.1	965.1	962.7	960.3	960.3	955.4	953.0	950.6	948.2
40°	967.5	970.0	970.0	970.0	967.5	967.5	965.1	960.3	957.9	953.0	948.2
42.5°	965.1	967.5	967.5	965.1	965.1	962.7	962.7	960.3	957.9	955.4	953.0
45°	933.7	936.1	931.2	931.2	928.8	928.8	928.8	928.8	928.8	931.2	931.2
47.5°	878.0	878.0	875.6	873.2	873.2	870.8	873.2	870.8	875.6	878.0	882.9
50°	812.7	812.7	807.9	805.5	805.5	805.5	805.5	807.9	810.3	815.1	820.0
52.5°	745.0	745.0	742.6	740.2	737.7	737.7	745.0	742.6	745.0	747.4	754.7
55°	679.7	682.1	677.3	677.3	674.9	674.9	674.9	677.3	679.7	682.1	689.4
57.5°	624.1	624.1	619.2	619.2	619.2	616.8	624.1	619.2	621.6	624.1	628.9
60°	568.4	566.0	566.0	563.6	563.6	563.6	568.4	566.0	566.0	568.4	573.3
62.5°	517.6	517.6	515.2	515.2	512.8	512.8	517.6	515.2	515.2	517.6	520.0
65°	459.6	459.6	457.2	454.7	462.0	454.7	462.0	457.2	462.0	464.4	469.3
67.5°	394.3	394.3	394.3	391.9	391.9	396.7	399.1	394.3	396.7	401.5	403.9
70°	336.2	336.2	333.8	333.8	333.8	338.6	341.1	336.2	338.6	341.1	345.9
72.5°	285.4	280.6	280.6	278.2	283.0	283.0	285.4	283.0	285.4	285.4	290.3
75°	234.6	229.8	229.8	229.8	234.6	232.2	234.6	232.2	234.6	234.6	237.0
77.5°	188.7	186.2	183.8	183.8	188.7	188.7	188.7	186.2	188.7	191.1	193.5
80°	147.5	145.1	142.7	142.7	147.5	147.5	147.5	150.0	147.5	150.0	152.4
82.5°	108.8	106.4	104.0	108.8	108.8	108.8	108.8	111.3	108.8	111.3	113.7
85°	72.6	70.1	67.7	72.6	72.6	72.6	72.6	75.0	72.6	75.0	77.4
87.5°	38.7	36.3	36.3	38.7	38.7	38.7	41.1	41.1	41.1	43.5	43.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9
2.5°	5710.9	5718.1	5715.7	5701.2	5686.7	5669.7	5657.6	5660.1	5684.3	5691.5	5669.7
5°	5471.4	5517.4	5517.4	5548.8	5531.9	5517.4	5527.0	5580.2	5606.8	5648.0	5662.5
7.5°	5224.7	5246.4	5244.0	5275.5	5270.6	5270.6	5277.9	5348.0	5381.9	5415.8	5425.4
10°	5086.8	5108.6	5106.1	5108.6	5101.3	5084.4	5084.4	5115.8	5144.9	5161.8	5166.6
12.5°	4987.6	4999.7	4997.3	4997.3	4992.5	4978.0	4975.5	5002.1	5033.6	5055.4	5057.8
15°	4840.1	4873.9	4881.2	4912.6	4905.4	4886.0	4890.9	4912.6	4932.0	4951.3	4944.1
17.5°	4620.0	4636.9	4639.3	4651.4	4646.6	4646.6	4675.6	4755.4	4808.6	4854.6	4859.4
20°	4494.2	4506.3	4501.4	4528.0	4516.0	4513.5	4520.8	4554.7	4578.8	4600.6	4639.3
22.5°	4433.7	4443.4	4436.1	4438.6	4416.8	4397.4	4392.6	4419.2	4445.8	4474.8	4474.8
25°	4382.9	4390.2	4387.8	4382.9	4366.0	4339.4	4334.5	4339.4	4349.1	4351.5	4334.5
27.5°	4322.4	4327.3	4327.3	4329.7	4307.9	4283.7	4278.9	4274.1	4283.7	4281.3	4254.7
30°	4259.6	4252.3	4254.7	4257.1	4237.8	4216.0	4206.3	4203.9	4213.6	4211.2	4184.6
32.5°	4109.6	4165.2	4170.1	4174.9	4158.0	4138.6	4128.9	4121.7	4126.5	4124.1	4099.9
35°	940.9	957.9	1173.1	2655.9	3606.5	3993.5	4034.6	4024.9	4027.4	4027.4	4008.0
37.5°	943.3	940.9	938.5	931.2	924.0	919.2	1589.2	3388.8	3925.8	3928.2	3911.2
40°	943.3	940.9	938.5	933.7	924.0	916.7	904.6	895.0	916.7	2017.3	3691.1
42.5°	948.2	943.3	938.5	933.7	924.0	914.3	904.6	892.5	899.8	895.0	882.9
45°	933.7	931.2	931.2	928.8	924.0	914.3	902.2	887.7	880.5	887.7	875.6
47.5°	887.7	890.1	897.4	899.8	899.8	902.2	895.0	885.3	873.2	880.5	865.9
50°	824.8	829.7	832.1	844.2	849.0	858.7	861.1	861.1	858.7	868.4	858.7
52.5°	757.1	761.9	774.0	778.9	783.7	798.2	803.1	810.3	815.1	829.7	839.3
55°	691.8	694.2	699.0	708.7	716.0	728.1	735.3	742.6	754.7	761.9	791.0
57.5°	631.3	633.7	643.4	645.8	650.7	660.3	667.6	677.3	686.9	691.8	725.6
60°	573.3	575.7	582.9	585.4	587.8	597.5	604.7	612.0	619.2	624.1	648.2
62.5°	522.5	522.5	529.7	529.7	532.1	539.4	544.2	549.1	556.3	558.7	570.8
65°	471.7	474.1	478.9	478.9	481.3	486.2	488.6	491.0	498.3	498.3	508.0
67.5°	408.8	411.2	418.5	423.3	425.7	435.4	437.8	440.2	445.1	447.5	452.3
70°	348.3	350.7	358.0	360.4	362.8	370.1	374.9	382.2	389.4	396.7	401.5
72.5°	292.7	295.1	302.4	302.4	309.6	312.0	316.9	319.3	326.5	331.4	338.6
75°	239.5	241.9	249.1	249.1	256.4	258.8	261.2	263.7	268.5	273.3	278.2
77.5°	195.9	195.9	205.6	210.4	215.3	215.3	217.7	217.7	217.7	220.1	225.0
80°	154.8	154.8	162.1	166.9	171.7	171.7	174.2	176.6	179.0	179.0	181.4
82.5°	116.1	116.1	123.4	125.8	130.6	130.6	130.6	133.0	135.5	133.0	137.9
85°	79.8	79.8	84.7	87.1	91.9	91.9	91.9	94.3	96.8	94.3	96.8
87.5°	46.0	48.4	50.8	53.2	55.6	58.1	58.1	58.1	60.5	60.5	62.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9
2.5°	5645.5	5616.5	5614.1	5580.2	5570.6	5573.0	5546.4	5536.7	5493.2	5483.5	5437.5
5°	5667.3	5681.8	5674.6	5672.2	5679.4	5674.6	5655.2	5645.5	5638.3	5618.9	5580.2
7.5°	5427.9	5437.5	5444.8	5476.2	5502.8	5548.8	5597.2	5628.6	5652.8	5657.6	5626.2
10°	5183.6	5229.5	5261.0	5309.3	5348.0	5374.6	5403.7	5430.3	5500.4	5570.6	5611.7
12.5°	5057.8	5069.9	5067.4	5094.1	5120.7	5190.8	5258.5	5297.2	5350.5	5381.9	5456.9
15°	4951.3	4953.8	4961.0	4980.4	4994.9	5019.1	5050.5	5108.6	5215.0	5263.4	5304.5
17.5°	4854.6	4854.6	4859.4	4876.4	4895.7	4917.5	4936.8	4961.0	5014.2	5094.1	5195.6
20°	4699.8	4767.5	4774.8	4772.4	4782.0	4823.1	4828.0	4871.5	4898.1	4929.6	5028.7
22.5°	4470.0	4511.1	4569.2	4658.7	4692.5	4711.9	4726.4	4745.7	4786.9	4823.1	4864.3
25°	4344.2	4370.8	4387.8	4414.4	4484.5	4598.2	4620.0	4641.7	4668.3	4694.9	4745.7
27.5°	4233.0	4230.5	4242.6	4266.8	4286.2	4346.6	4453.1	4537.7	4542.6	4581.3	4624.8
30°	4153.1	4138.6	4121.7	4116.8	4143.5	4174.9	4206.3	4339.4	4431.3	4450.6	4496.6
32.5°	4078.1	4054.0	4029.8	4010.4	3993.5	4020.1	4039.4	4097.5	4216.0	4327.3	4351.5
35°	3986.2	3962.0	3933.0	3911.2	3884.6	3882.2	3879.8	3935.4	3974.1	4107.2	4223.3
37.5°	3891.9	3865.3	3841.1	3816.9	3790.3	3771.0	3758.9	3773.4	3809.7	3867.7	4061.2
40°	3792.7	3761.3	3737.1	3717.7	3681.5	3666.9	3642.8	3633.1	3635.5	3686.3	3787.9
42.5°	2266.4	3613.7	3625.8	3604.1	3572.6	3553.3	3526.7	3514.6	3490.4	3514.6	3572.6
45°	873.2	882.9	2643.8	3492.8	3454.1	3429.9	3405.7	3393.6	3367.0	3347.7	3400.9
47.5°	856.3	865.9	846.6	1199.7	3296.9	3304.1	3275.1	3263.0	3236.4	3221.9	3207.4
50°	844.2	851.4	836.9	841.8	824.8	3021.1	3142.1	3127.5	3098.5	3081.6	3052.6
52.5°	832.1	832.1	822.4	810.3	805.5	807.9	2542.2	2989.7	2955.8	2938.9	2900.2
55°	793.4	798.2	807.9	788.5	783.7	781.3	774.0	2421.2	2798.6	2779.2	2745.4
57.5°	735.3	745.0	771.6	766.8	766.8	747.4	742.6	742.6	2247.1	2617.2	2583.3
60°	667.6	677.3	706.3	716.0	723.2	718.4	713.6	711.1	701.5	2368.0	2411.6
62.5°	597.5	607.1	616.8	648.2	657.9	670.0	684.5	677.3	667.6	667.6	2230.2
65°	522.5	537.0	541.8	570.8	582.9	604.7	616.8	633.7	628.9	626.5	638.6
67.5°	457.2	474.1	476.5	488.6	510.4	520.0	534.6	566.0	580.5	585.4	590.2
70°	401.5	411.2	418.5	423.3	437.8	440.2	466.8	488.6	510.4	534.6	541.8
72.5°	345.9	353.1	367.7	362.8	367.7	377.3	391.9	406.4	428.1	462.0	483.8
75°	283.0	287.8	297.5	302.4	312.0	319.3	329.0	341.1	360.4	377.3	406.4
77.5°	227.4	229.8	237.0	239.5	249.1	256.4	273.3	280.6	292.7	304.8	321.7
80°	183.8	183.8	186.2	186.2	193.5	200.8	212.9	220.1	234.6	244.3	244.3
82.5°	140.3	140.3	147.5	147.5	152.4	152.4	159.6	159.6	166.9	171.7	176.6
85°	99.2	101.6	106.4	104.0	108.8	106.4	111.3	116.1	118.5	116.1	113.7
87.5°	65.3	65.3	70.1	67.7	70.1	70.1	75.0	75.0	77.4	77.4	75.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9
2.5°	5420.6	5384.3	5362.5	5335.9	5328.7	5321.4	5331.1	5331.1	5316.6	5304.5	5282.7
5°	5546.4	5507.7	5466.6	5423.0	5381.9	5338.4	5321.4	5319.0	5292.4	5277.9	5270.6
7.5°	5611.7	5592.3	5546.4	5485.9	5423.0	5345.6	5311.8	5292.4	5265.8	5261.0	5261.0
10°	5618.9	5597.2	5573.0	5529.4	5456.9	5355.3	5290.0	5251.3	5227.1	5244.0	5275.5
12.5°	5548.8	5589.9	5568.1	5539.1	5481.1	5357.7	5263.4	5205.3	5198.1	5241.6	5323.8
15°	5369.8	5490.7	5551.2	5522.2	5476.2	5352.9	5219.8	5152.1	5152.1	5241.6	5348.0
17.5°	5234.3	5328.7	5476.2	5500.4	5447.2	5343.2	5178.7	5098.9	5120.7	5251.3	5365.0
20°	5123.1	5181.1	5323.8	5459.3	5408.5	5321.4	5118.2	5036.0	5079.5	5236.8	5389.2
22.5°	4948.9	5065.0	5152.1	5352.9	5369.8	5280.3	5057.8	4958.6	5045.7	5236.8	5377.1
25°	4779.6	4919.9	5011.8	5207.7	5311.8	5229.5	5002.1	4876.4	5009.4	5229.5	5367.4
27.5°	4661.1	4726.4	4893.3	5033.6	5224.7	5161.8	4927.2	4786.9	4963.4	5190.8	5311.8
30°	4535.3	4578.8	4743.3	4876.4	5108.6	5084.4	4849.8	4687.7	4905.4	5154.5	5166.6
32.5°	4397.4	4445.8	4530.5	4724.0	4946.5	5011.8	4762.7	4588.5	4842.5	5098.9	4997.3
35°	4257.1	4293.4	4361.2	4569.2	4757.8	4903.0	4656.2	4474.8	4799.0	5014.2	4835.2
37.5°	4116.8	4155.5	4213.6	4387.8	4559.5	4801.4	4564.3	4361.2	4719.1	4864.3	4665.9
40°	3983.8	4005.6	4066.1	4174.9	4395.0	4697.4	4460.3	4242.6	4636.9	4673.2	4436.1
42.5°	3739.5	3848.4	3904.0	3991.1	4208.8	4554.7	4339.4	4116.8	4545.0	4482.1	4206.3
45°	3475.9	3712.9	3737.1	3824.2	4044.3	4402.3	4225.7	3993.5	4457.9	4317.6	3988.7
47.5°	3260.6	3432.3	3572.6	3645.2	3848.4	4223.3	4119.3	3889.5	4327.3	4109.6	3775.8
50°	3069.5	3161.4	3415.4	3468.6	3613.7	4008.0	3993.5	3768.5	4145.9	3848.4	3567.8
52.5°	2883.2	2948.6	3178.3	3292.0	3410.6	3775.8	3843.5	3650.0	3947.5	3587.1	3357.3
55°	2721.2	2743.0	2868.7	3108.2	3214.6	3541.2	3679.0	3512.1	3696.0	3338.0	3154.2
57.5°	2554.3	2534.9	2626.8	2934.0	3011.4	3301.7	3504.9	3371.8	3492.8	3084.0	2943.7
60°	2380.1	2353.5	2392.2	2595.4	2796.2	3064.7	3299.3	3217.0	3246.1	2832.4	2709.1
62.5°	2198.7	2172.1	2160.0	2288.2	2585.7	2820.4	3091.3	3045.3	2943.7	2602.7	2418.8
65°	2010.0	1983.4	1964.1	2014.9	2353.5	2503.5	2859.1	2847.0	2612.3	2360.8	2036.7
67.5°	612.0	1804.4	1763.3	1760.9	1983.4	2215.6	2607.5	2588.1	2278.5	2102.0	1753.7
70°	551.5	1463.4	1555.3	1533.5	1630.3	1923.0	2319.7	2305.1	1954.4	1685.9	1550.5
72.5°	505.5	517.6	1373.9	1349.7	1371.5	1635.1	2019.7	1981.0	1656.9	1330.4	1340.0
75°	433.0	454.7	474.1	1139.3	1110.2	1354.5	1693.2	1632.7	1366.6	1098.1	1119.9
77.5°	353.1	379.8	394.3	829.7	897.4	965.1	1352.1	1272.3	940.9	878.0	418.5
80°	263.7	285.4	309.6	331.4	682.1	674.9	1003.8	924.0	655.5	546.7	326.5
82.5°	193.5	200.8	215.3	239.5	270.9	452.3	645.8	568.4	454.7	249.1	225.0
85°	120.9	130.6	137.9	145.1	164.5	270.9	319.3	254.0	191.1	152.4	142.7
87.5°	77.4	77.4	75.0	77.4	79.8	96.8	108.8	104.0	82.2	77.4	77.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9
2.5°	5258.5	5224.7	5224.7	5215.0	5222.3	5222.3	5219.8	5222.3	5239.2	5248.9	5265.8
5°	5256.1	5246.4	5268.2	5294.8	5326.3	5365.0	5374.6	5408.5	5439.9	5481.1	5524.6
7.5°	5287.6	5321.4	5362.5	5406.1	5469.0	5514.9	5556.1	5597.2	5626.2	5664.9	5689.1
10°	5333.5	5401.2	5471.4	5527.0	5594.8	5633.5	5660.1	5664.9	5623.8	5558.5	5505.3
12.5°	5398.8	5478.6	5544.0	5597.2	5628.6	5614.1	5536.7	5456.9	5410.9	5343.2	5248.9
15°	5454.5	5527.0	5594.8	5573.0	5488.3	5408.5	5348.0	5253.7	5161.8	5098.9	5057.8
17.5°	5478.6	5548.8	5524.6	5410.9	5331.1	5239.2	5115.8	5043.3	4982.8	4934.4	4910.2
20°	5493.2	5481.1	5350.5	5268.2	5113.4	5028.7	4948.9	4881.2	4835.2	4811.1	4806.2
22.5°	5454.5	5306.9	5195.6	5048.1	4934.4	4864.3	4801.4	4745.7	4714.3	4694.9	4682.9
25°	5326.3	5154.5	4990.0	4873.9	4777.2	4716.7	4668.3	4622.4	4583.7	4574.0	4549.8
27.5°	5147.3	5007.0	4789.3	4699.8	4615.1	4586.1	4532.9	4486.9	4453.1	4424.0	4346.6
30°	4999.7	4777.2	4620.0	4537.7	4486.9	4453.1	4392.6	4344.2	4286.2	4179.7	4136.2
32.5°	4818.3	4598.2	4448.2	4402.3	4339.4	4310.4	4242.6	4136.2	4046.7	4003.2	4000.7
35°	4583.7	4402.3	4293.4	4252.3	4201.5	4153.1	4012.8	3916.1	3872.5	3877.4	3913.7
37.5°	4387.8	4225.7	4155.5	4097.5	4039.4	3916.1	3797.6	3751.6	3763.7	3787.9	3804.8
40°	4189.4	4066.1	3986.2	3940.3	3809.7	3688.7	3625.8	3642.8	3664.5	3681.5	3703.2
42.5°	3995.9	3908.8	3829.0	3739.5	3560.5	3495.2	3509.7	3531.5	3550.8	3575.0	3596.8
45°	3812.1	3734.7	3642.8	3439.6	3350.1	3367.0	3388.8	3405.7	3434.7	3451.7	3473.4
47.5°	3637.9	3555.7	3393.6	3214.6	3204.9	3238.8	3258.2	3279.9	3301.7	3258.2	1797.2
50°	3442.0	3357.3	3110.6	3042.9	3064.7	3096.1	3120.3	3142.1	2798.6	1112.7	856.3
52.5°	3248.5	3033.2	2876.0	2895.3	2917.1	2953.4	2970.3	2206.0	878.0	836.9	839.3
55°	3033.2	2757.5	2711.5	2735.7	2755.0	2791.3	1850.4	810.3	805.5	803.1	822.4
57.5°	2694.6	2527.7	2547.0	2571.2	2590.6	1828.6	788.5	783.7	786.1	788.5	791.0
60°	2392.2	2355.9	2377.7	2399.5	1698.0	761.9	747.4	749.8	759.5	752.3	732.9
62.5°	2152.8	2181.8	2203.6	1930.2	723.2	716.0	723.2	716.0	699.0	686.9	662.8
65°	1968.9	1998.0	2014.9	679.7	677.3	686.9	679.7	655.5	628.9	595.0	587.8
67.5°	1775.4	1804.4	645.8	628.9	638.6	626.5	597.5	568.4	549.1	520.0	508.0
70°	1574.7	674.9	585.4	582.9	566.0	546.7	515.2	486.2	462.0	449.9	437.8
72.5°	1136.9	534.6	527.3	508.0	478.9	452.3	425.7	408.8	396.7	389.4	382.2
75°	474.1	464.4	442.6	408.8	379.8	367.7	348.3	336.2	331.4	316.9	312.0
77.5°	396.7	377.3	345.9	321.7	304.8	297.5	283.0	268.5	261.2	258.8	249.1
80°	304.8	278.2	263.7	251.6	246.7	229.8	212.9	205.6	200.8	198.3	191.1
82.5°	208.0	198.3	188.7	171.7	171.7	164.5	157.2	152.4	147.5	147.5	142.7
85°	135.5	128.2	125.8	118.5	118.5	113.7	111.3	108.8	106.4	104.0	101.6
87.5°	77.4	77.4	79.8	77.4	77.4	75.0	72.6	70.1	67.7	67.7	62.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9
2.5°	5287.6	5311.8	5316.6	5398.8	5444.8	5442.4	5427.9	5471.4	5444.8	5430.3	5444.8
5°	5568.1	5597.2	5621.4	5710.9	5742.3	5756.8	5754.4	5778.6	5759.2	5742.3	5742.3
7.5°	5706.0	5715.7	5725.4	5703.6	5689.1	5664.9	5628.6	5575.4	5548.8	5519.8	5483.5
10°	5478.6	5447.2	5459.3	5415.8	5379.5	5352.9	5319.0	5275.5	5239.2	5212.6	5171.5
12.5°	5200.5	5198.1	5202.9	5210.2	5173.9	5152.1	5125.5	5094.1	5067.4	5038.4	5004.6
15°	5031.2	5033.6	5052.9	5045.7	5033.6	5021.5	4992.5	4982.8	4958.6	4927.2	4907.8
17.5°	4910.2	4922.3	4941.7	4932.0	4912.6	4900.5	4878.8	4857.0	4835.2	4811.1	4782.0
20°	4803.8	4815.9	4828.0	4815.9	4779.6	4762.7	4733.6	4665.9	4617.5	4569.2	4525.6
22.5°	4687.7	4694.9	4685.3	4646.6	4554.7	4511.1	4477.3	4457.9	4416.8	4390.2	4363.6
25°	4542.6	4501.4	4438.6	4395.0	4358.7	4339.4	4324.9	4322.4	4317.6	4312.8	4300.7
27.5°	4305.5	4291.0	4257.1	4240.2	4242.6	4249.9	4252.3	4259.6	4252.3	4242.6	4233.0
30°	4128.9	4136.2	4138.6	4143.5	4155.5	4162.8	4165.2	4174.9	4170.1	4162.8	4158.0
32.5°	4017.7	4034.6	4044.3	4058.8	4066.1	4078.1	4078.1	4092.7	4078.1	4075.7	4070.9
35°	3925.8	3940.3	3945.1	3966.9	3974.1	3986.2	3986.2	3998.3	3986.2	3862.9	3050.1
37.5°	3833.8	3848.4	3858.0	3877.4	3879.8	3887.1	3587.1	2624.4	1693.2	1311.0	1001.4
40°	3725.0	3741.9	3751.6	3758.9	2641.4	1676.2	1153.8	938.5	938.5	945.8	953.0
42.5°	3608.9	3621.0	2522.8	1468.2	914.3	911.9	919.2	926.4	933.7	943.3	953.0
45°	2837.3	1431.9	909.5	887.7	895.0	904.6	914.3	924.0	936.1	945.8	950.6
47.5°	931.2	873.2	885.3	875.6	887.7	899.8	909.5	919.2	921.6	924.0	921.6
50°	861.1	861.1	868.4	868.4	878.0	882.9	882.9	882.9	873.2	870.8	863.5
52.5°	832.1	851.4	841.8	846.6	841.8	834.5	827.2	820.0	805.5	800.6	791.0
55°	817.6	824.8	800.6	793.4	783.7	764.4	754.7	745.0	732.9	728.1	716.0
57.5°	783.7	766.8	740.2	728.1	711.1	691.8	682.1	674.9	662.8	657.9	650.7
60°	720.8	686.9	670.0	655.5	636.2	619.2	612.0	607.1	597.5	595.0	587.8
62.5°	643.4	614.4	599.9	580.5	566.0	556.3	549.1	546.7	537.0	537.0	532.1
65°	558.7	544.2	532.1	512.8	505.5	495.9	493.4	491.0	486.2	483.8	478.9
67.5°	491.0	481.3	464.4	454.7	449.9	442.6	437.8	433.0	423.3	418.5	411.2
70°	430.6	423.3	406.4	399.1	389.4	377.3	370.1	365.2	358.0	353.1	345.9
72.5°	372.5	350.7	338.6	331.4	324.1	312.0	309.6	304.8	297.5	295.1	287.8
75°	299.9	283.0	275.7	270.9	263.7	256.4	256.4	256.4	249.1	246.7	244.3
77.5°	239.5	229.8	225.0	220.1	217.7	212.9	205.6	203.2	195.9	195.9	193.5
80°	183.8	179.0	174.2	171.7	169.3	164.5	159.6	157.2	150.0	150.0	147.5
82.5°	135.5	133.0	130.6	128.2	125.8	123.4	116.1	113.7	108.8	108.8	106.4
85°	96.8	94.3	89.5	87.1	87.1	84.7	77.4	75.0	70.1	70.1	70.1
87.5°	60.5	58.1	55.6	53.2	50.8	48.4	43.5	41.1	41.1	36.3	33.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9
2.5°	5415.8	5456.9	5452.0	5481.1	5488.3	5502.8	5507.7	5510.1	5473.8	5502.8	5505.3
5°	5735.0	5742.3	5747.1	5759.2	5771.3	5773.7	5761.7	5747.1	5752.0	5742.3	5718.1
7.5°	5478.6	5442.4	5435.1	5425.4	5420.6	5415.8	5394.0	5413.3	5391.6	5381.9	5348.0
10°	5164.2	5130.3	5127.9	5127.9	5135.2	5132.8	5127.9	5118.2	5137.6	5125.5	5118.2
12.5°	4999.7	4987.6	4994.9	4990.0	5009.4	5014.2	5009.4	5009.4	5004.6	4994.9	4999.7
15°	4900.5	4890.9	4898.1	4890.9	4905.4	4907.8	4895.7	4903.0	4890.9	4878.8	4873.9
17.5°	4769.9	4748.2	4731.2	4707.0	4709.5	4704.6	4690.1	4690.1	4678.0	4646.6	4649.0
20°	4518.4	4496.6	4486.9	4486.9	4499.0	4503.9	4501.4	4506.3	4494.2	4489.3	4470.0
22.5°	4361.2	4358.7	4363.6	4375.7	4395.0	4421.6	4424.0	4424.0	4424.0	4421.6	4397.4
25°	4305.5	4305.5	4310.4	4327.3	4341.8	4361.2	4366.0	4370.8	4366.0	4366.0	4344.2
27.5°	4242.6	4237.8	4247.5	4264.4	4281.3	4295.8	4307.9	4310.4	4303.1	4303.1	4310.4
30°	4165.2	4162.8	4174.9	4191.8	4206.3	4220.9	4233.0	4242.6	4233.0	4233.0	4225.7
32.5°	4085.4	4085.4	4090.2	3988.7	3698.4	3330.7	3338.0	3125.1	2977.6	2791.3	3038.1
35°	2549.4	1855.2	1594.0	1349.7	1178.0	1066.7	1064.3	1028.0	1011.1	999.0	996.6
37.5°	962.7	967.5	977.2	982.0	989.3	994.1	996.6	996.6	996.6	996.6	994.1
40°	960.3	970.0	977.2	984.5	991.7	996.6	996.6	999.0	1001.4	1001.4	1001.4
42.5°	962.7	972.4	982.0	989.3	994.1	996.6	999.0	1001.4	1001.4	1001.4	1001.4
45°	960.3	965.1	965.1	967.5	967.5	967.5	970.0	970.0	967.5	965.1	970.0
47.5°	924.0	924.0	916.7	914.3	911.9	907.1	909.5	907.1	904.6	902.2	907.1
50°	861.1	851.4	846.6	841.8	839.3	834.5	836.9	834.5	832.1	827.2	834.5
52.5°	786.1	783.7	774.0	769.2	766.8	769.2	764.4	761.9	759.5	757.1	759.5
55°	713.6	703.9	701.5	696.6	694.2	696.6	694.2	691.8	689.4	686.9	689.4
57.5°	648.2	641.0	638.6	633.7	633.7	633.7	633.7	631.3	628.9	626.5	628.9
60°	585.4	580.5	578.1	578.1	575.7	575.7	575.7	573.3	570.8	570.8	573.3
62.5°	532.1	532.1	524.9	522.5	522.5	524.9	522.5	520.0	517.6	515.2	520.0
65°	476.5	466.8	464.4	459.6	454.7	457.2	454.7	452.3	449.9	447.5	452.3
67.5°	408.8	406.4	396.7	391.9	389.4	391.9	389.4	387.0	384.6	382.2	387.0
70°	343.5	343.5	333.8	331.4	329.0	329.0	326.5	326.5	324.1	321.7	326.5
72.5°	285.4	285.4	283.0	278.2	275.7	273.3	270.9	268.5	268.5	270.9	270.9
75°	237.0	232.2	222.5	225.0	222.5	220.1	220.1	217.7	215.3	220.1	217.7
77.5°	186.2	183.8	176.6	179.0	176.6	174.2	174.2	171.7	169.3	171.7	171.7
80°	140.3	140.3	137.9	135.5	135.5	133.0	130.6	130.6	128.2	130.6	130.6
82.5°	101.6	101.6	99.2	96.8	94.3	94.3	91.9	91.9	91.9	91.9	91.9
85°	65.3	62.9	62.9	58.1	58.1	58.1	55.6	55.6	55.6	55.6	55.6
87.5°	31.4	31.4	29.0	29.0	26.6	24.2	24.2	21.8	21.8	24.2	24.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9
2.5°	5461.7	5493.2	5466.6	5478.6	5481.1	5522.2	5519.8	5529.4	5512.5	5493.2	5466.6
5°	5739.9	5725.4	5706.0	5752.0	5727.8	5756.8	5766.5	5785.8	5785.8	5783.4	5761.7
7.5°	5384.3	5352.9	5377.1	5394.0	5401.2	5381.9	5420.6	5464.1	5500.4	5522.2	5524.6
10°	5106.1	5115.8	5113.4	5120.7	5137.6	5135.2	5159.4	5183.6	5193.2	5207.7	5212.6
12.5°	4975.5	4973.1	4978.0	4994.9	5004.6	5002.1	5026.3	5040.8	5045.7	5048.1	5045.7
15°	4871.5	4854.6	4866.7	4869.1	4876.4	4876.4	4905.4	4927.2	4936.8	4941.7	4936.8
17.5°	4675.6	4634.5	4673.2	4673.2	4699.8	4694.9	4740.9	4777.2	4796.5	4811.1	4811.1
20°	4482.1	4462.7	4477.3	4472.4	4491.8	4489.3	4518.4	4542.6	4559.5	4571.6	4586.1
22.5°	4404.7	4409.5	4387.8	4390.2	4390.2	4387.8	4402.3	4414.4	4419.2	4426.5	4421.6
25°	4353.9	4358.7	4351.5	4339.4	4334.5	4339.4	4346.6	4361.2	4363.6	4358.7	4341.8
27.5°	4303.1	4288.6	4300.7	4278.9	4274.1	4283.7	4293.4	4295.8	4298.3	4298.3	4283.7
30°	4225.7	4213.6	4225.7	4216.0	4206.3	4216.0	4223.3	4223.3	4228.1	4230.5	4213.6
32.5°	2953.4	2977.6	3369.4	3606.5	3940.3	4109.6	4141.0	4141.0	4145.9	4145.9	4131.4
35°	1006.2	1008.7	1090.9	1182.8	1378.7	1620.6	1937.5	2102.0	2658.3	3323.5	3966.9
37.5°	994.1	991.7	989.3	986.9	984.5	982.0	977.2	974.8	989.3	1173.1	1591.6
40°	999.0	996.6	991.7	989.3	986.9	982.0	979.6	974.8	970.0	965.1	960.3
42.5°	999.0	996.6	994.1	991.7	989.3	986.9	982.0	977.2	972.4	965.1	957.9
45°	965.1	965.1	967.5	967.5	970.0	970.0	970.0	967.5	967.5	965.1	955.4
47.5°	902.2	902.2	909.5	909.5	914.3	919.2	919.2	924.0	931.2	936.1	938.5
50°	829.7	829.7	836.9	839.3	844.2	851.4	858.7	861.1	868.4	878.0	887.7
52.5°	757.1	757.1	764.4	764.4	769.2	776.4	783.7	786.1	795.8	805.5	817.6
55°	689.4	689.4	694.2	696.6	699.0	703.9	711.1	711.1	720.8	728.1	740.2
57.5°	628.9	633.7	633.7	633.7	636.2	641.0	645.8	645.8	653.1	660.3	670.0
60°	570.8	575.7	575.7	575.7	578.1	580.5	585.4	585.4	590.2	595.0	604.7
62.5°	517.6	522.5	522.5	524.9	524.9	527.3	532.1	529.7	534.6	537.0	544.2
65°	449.9	454.7	457.2	459.6	462.0	466.8	474.1	471.7	478.9	483.8	491.0
67.5°	384.6	389.4	389.4	391.9	394.3	399.1	403.9	403.9	411.2	416.0	425.7
70°	324.1	329.0	329.0	331.4	333.8	338.6	343.5	341.1	348.3	353.1	360.4
72.5°	268.5	273.3	273.3	275.7	275.7	280.6	285.4	290.3	290.3	295.1	299.9
75°	217.7	220.1	222.5	222.5	225.0	227.4	232.2	237.0	239.5	241.9	246.7
77.5°	171.7	174.2	176.6	176.6	179.0	181.4	183.8	193.5	198.3	200.8	200.8
80°	130.6	133.0	133.0	133.0	135.5	137.9	142.7	142.7	152.4	152.4	154.8
82.5°	91.9	94.3	94.3	94.3	96.8	101.6	104.0	106.4	111.3	113.7	113.7
85°	55.6	58.1	58.1	58.1	60.5	62.9	67.7	70.1	72.6	72.6	75.0
87.5°	21.8	24.2	26.6	26.6	29.0	31.4	33.9	36.3	38.7	38.7	41.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9
2.5°	5437.5	5454.5	5437.5	5447.2	5459.3	5437.5	5386.7	5367.4	5360.1	5331.1	5311.8
5°	5739.9	5739.9	5732.6	5752.0	5749.6	5715.7	5662.5	5638.3	5614.1	5582.7	5558.5
7.5°	5524.6	5544.0	5556.1	5631.0	5679.4	5684.3	5718.1	5725.4	5735.0	5725.4	5710.9
10°	5215.0	5207.7	5241.6	5311.8	5352.9	5374.6	5439.9	5471.4	5498.0	5551.2	5606.8
12.5°	5040.8	5050.5	5065.0	5115.8	5154.5	5144.9	5171.5	5193.2	5224.7	5277.9	5357.7
15°	4924.7	4934.4	4948.9	4987.6	5011.8	4999.7	5014.2	5028.7	5050.5	5077.1	5125.5
17.5°	4799.0	4815.9	4832.8	4873.9	4895.7	4893.3	4905.4	4910.2	4917.5	4934.4	4968.3
20°	4603.0	4656.2	4690.1	4745.7	4777.2	4772.4	4794.1	4801.4	4811.1	4828.0	4842.5
22.5°	4424.0	4438.6	4455.5	4516.0	4569.2	4634.5	4649.0	4668.3	4692.5	4709.5	4724.0
25°	4322.4	4312.8	4320.0	4361.2	4390.2	4395.0	4416.8	4479.7	4545.0	4574.0	4607.9
27.5°	4262.0	4252.3	4249.9	4269.2	4274.1	4262.0	4257.1	4276.5	4324.9	4373.2	4474.8
30°	4196.7	4184.6	4174.9	4191.8	4199.1	4182.2	4150.7	4133.8	4162.8	4174.9	4216.0
32.5°	4119.3	4107.2	4102.3	4112.0	4116.8	4102.3	4068.5	4049.1	4044.3	4034.6	4044.3
35°	4032.2	4020.1	4012.8	4015.3	4024.9	4012.8	3983.8	3959.6	3947.5	3920.9	3901.6
37.5°	2077.8	2943.7	3821.8	3913.7	3923.3	3920.9	3891.9	3865.3	3853.2	3821.8	3812.1
40°	950.6	1061.9	1594.0	2082.6	3004.2	3816.9	3790.3	3763.7	3741.9	3732.3	3696.0
42.5°	948.2	950.6	953.0	940.9	1165.9	1985.9	2931.6	3659.7	3645.2	3621.0	3594.4
45°	948.2	936.1	945.8	931.2	936.1	933.7	1163.5	1877.0	3340.4	3490.4	3478.3
47.5°	938.5	931.2	940.9	928.8	914.3	921.6	911.9	924.0	1441.6	2445.4	3350.1
50°	895.0	899.8	916.7	914.3	902.2	911.9	895.0	909.5	897.4	984.5	1896.4
52.5°	829.7	839.3	856.3	870.8	875.6	887.7	882.9	887.7	878.0	880.5	882.9
55°	752.3	764.4	778.9	800.6	810.3	829.7	844.2	851.4	863.5	861.1	841.8
57.5°	679.7	691.8	703.9	725.6	747.4	757.1	783.7	798.2	829.7	822.4	817.6
60°	612.0	621.6	633.7	638.6	665.2	682.1	706.3	720.8	761.9	771.6	786.1
62.5°	551.5	556.3	566.0	573.3	590.2	607.1	619.2	643.4	665.2	696.6	718.4
65°	495.9	500.7	508.0	512.8	515.2	539.4	546.7	573.3	580.5	614.4	633.7
67.5°	433.0	442.6	452.3	457.2	462.0	476.5	481.3	493.4	510.4	524.9	549.1
70°	367.7	374.9	384.6	391.9	401.5	411.2	425.7	433.0	445.1	454.7	474.1
72.5°	307.2	314.4	319.3	326.5	333.8	341.1	353.1	370.1	379.8	396.7	401.5
75°	249.1	256.4	261.2	266.1	273.3	278.2	283.0	299.9	309.6	324.1	338.6
77.5°	205.6	205.6	210.4	225.0	222.5	222.5	227.4	237.0	244.3	254.0	268.5
80°	159.6	162.1	164.5	176.6	179.0	181.4	179.0	186.2	193.5	195.9	205.6
82.5°	118.5	120.9	120.9	128.2	135.5	135.5	135.5	137.9	145.1	147.5	152.4
85°	79.8	82.2	84.7	87.1	91.9	94.3	96.8	96.8	101.6	104.0	106.4
87.5°	43.5	48.4	50.8	53.2	55.6	58.1	60.5	62.9	65.3	67.7	70.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9	5277.9
2.5°	5304.5	5292.4	5285.1	5265.8	5261.0	5229.5	5234.3	5229.5	5229.5	5236.8	5261.0
5°	5531.9	5473.8	5459.3	5418.2	5384.3	5326.3	5290.0	5270.6	5241.6	5229.5	5246.4
7.5°	5686.7	5643.1	5606.8	5570.6	5522.2	5454.5	5403.7	5345.6	5297.2	5251.3	5239.2
10°	5660.1	5708.4	5708.4	5686.7	5640.7	5573.0	5512.5	5439.9	5355.3	5282.7	5239.2
12.5°	5435.1	5519.8	5587.5	5638.3	5684.3	5638.3	5577.8	5519.8	5425.4	5319.0	5239.2
15°	5188.4	5275.5	5360.1	5466.6	5577.8	5623.8	5621.4	5553.6	5469.0	5357.7	5246.4
17.5°	5014.2	5074.7	5120.7	5236.8	5372.2	5490.7	5570.6	5575.4	5493.2	5394.0	5248.9
20°	4883.6	4927.2	4965.9	5031.2	5149.7	5294.8	5442.4	5524.6	5510.1	5401.2	5256.1
22.5°	4765.1	4796.5	4828.0	4876.4	4970.7	5065.0	5236.8	5406.1	5478.6	5389.2	5248.9
25°	4646.6	4680.4	4704.6	4738.5	4813.5	4890.9	5011.8	5222.3	5384.3	5379.5	5234.3
27.5°	4506.3	4552.2	4581.3	4627.2	4678.0	4736.1	4818.3	5016.7	5248.9	5331.1	5195.6
30°	4337.0	4404.7	4448.2	4499.0	4542.6	4593.4	4658.7	4779.6	5067.4	5236.8	5154.5
32.5°	4092.7	4213.6	4310.4	4358.7	4407.1	4450.6	4508.7	4610.3	4844.9	5108.6	5108.6
35°	3918.5	3974.1	4061.2	4201.5	4262.0	4305.5	4358.7	4438.6	4588.5	4956.2	5033.6
37.5°	3783.0	3804.8	3848.4	3986.2	4099.9	4170.1	4223.3	4274.1	4421.6	4748.2	4936.8
40°	3681.5	3674.2	3669.4	3734.7	3896.7	4008.0	4068.5	4119.3	4233.0	4499.0	4808.6
42.5°	3562.9	3555.7	3531.5	3548.4	3628.2	3814.5	3906.4	3962.0	4056.4	4237.8	4668.3
45°	3439.6	3427.5	3417.8	3400.9	3429.9	3533.9	3722.6	3804.8	3858.0	4020.1	4491.8
47.5°	3313.8	3296.9	3284.8	3270.3	3253.3	3301.7	3480.7	3628.2	3720.2	3821.8	4278.9
50°	3134.8	3156.6	3142.1	3125.1	3110.6	3100.9	3175.9	3417.8	3531.5	3613.7	4020.1
52.5°	1477.9	2873.6	2994.5	2977.6	2958.2	2941.3	2958.2	3142.1	3347.7	3413.0	3708.1
55°	841.8	1279.6	2663.1	2815.5	2798.6	2774.4	2759.9	2822.8	3130.0	3217.0	3422.6
57.5°	810.3	812.7	1175.6	2537.4	2631.7	2609.9	2593.0	2607.5	2868.7	3016.3	3173.5
60°	783.7	783.7	783.7	1122.3	2426.1	2433.3	2411.6	2387.4	2501.1	2791.3	2921.9
62.5°	725.6	740.2	747.4	747.4	1107.8	2247.1	2225.3	2218.1	2222.9	2520.4	2670.4
65°	650.7	684.5	699.0	708.7	708.7	1163.5	2034.2	2022.1	2005.2	2118.9	2416.4
67.5°	568.4	602.3	633.7	653.1	655.5	677.3	1214.3	1821.4	1797.2	1799.6	2145.5
70°	483.8	512.8	546.7	575.7	602.3	614.4	633.7	1511.8	1591.6	1557.7	1838.3
72.5°	418.5	430.6	454.7	483.8	515.2	544.2	561.2	602.3	1381.2	1344.9	1398.1
75°	348.3	358.0	374.9	394.3	418.5	452.3	481.3	510.4	732.9	1127.2	1119.9
77.5°	270.9	287.8	307.2	319.3	331.4	355.6	394.3	423.3	452.3	761.9	897.4
80°	208.0	220.1	229.8	241.9	256.4	273.3	287.8	321.7	355.6	382.2	686.9
82.5°	154.8	162.1	169.3	174.2	179.0	188.7	215.3	227.4	249.1	273.3	324.1
85°	108.8	113.7	118.5	120.9	123.4	125.8	135.5	137.9	159.6	164.5	195.9
87.5°	70.1	72.6	77.4	79.8	79.8	82.2	84.7	84.7	84.7	79.8	96.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	5277.9	5277.9
2.5°	5280.3	5319.0
5°	5273.0	5323.8
7.5°	5253.7	5302.1
10°	5224.7	5282.7
12.5°	5193.2	5248.9
15°	5166.6	5207.7
17.5°	5137.6	5161.8
20°	5098.9	5118.2
22.5°	5060.2	5050.5
25°	5016.7	4994.9
27.5°	4961.0	4919.9
30°	4910.2	4837.7
32.5°	4861.8	4743.3
35°	4796.5	4646.6
37.5°	4728.8	4547.4
40°	4649.0	4433.7
42.5°	4564.3	4320.0
45°	4457.9	4211.2
47.5°	4363.6	4080.6
50°	4233.0	3940.3
52.5°	4073.3	3809.7
55°	3884.6	3650.0
57.5°	3681.5	3483.1
60°	3463.8	3292.0
62.5°	3200.1	3093.7
65°	2890.5	2866.3
67.5°	2486.6	2614.8
70°	2039.1	2326.9
72.5°	1705.3	2022.1
75°	1398.1	1681.1
77.5°	1107.8	1318.3
80°	691.8	965.1
82.5°	464.4	633.7
85°	280.6	302.4
87.5°	108.8	111.3
90°	0.0	0.0

(END OF REPORT)